



**Fall 2011 Important Dates**

**December**

9 - last day to process a University Withdrawal.

12 - 16 - Final Exams.

16 - 17 - Commencement Ceremonies.

26- 28- Winter holiday; University Closed.

To learn more about what faculty, staff, and students in the Department of Biology are up to, check out our website: <http://www.biology.colostate.edu/>.

**Don't wait to schedule your appointments to pick out future courses. Our schedules book quickly around registration time, so make your appointments now! As always, appointments can be made online at: <http://www.biology.colostate.edu/advising-scheduling>**

***New this month:***

**IMPORTANT: SPRING 2012 SEMESTER HAS NEW ADD DATES!**

**End Regular Add** - During the regular 16-week Fall and Spring semesters, courses may be added without an override through 11:59 PM Sunday at the end of the first week of classes (January 22nd).

Beginning Monday of the second week of classes, courses may be added with an instructor override through the census date (February 1st).

This means that you will not be able to add classes after January 22nd, without an override from the instructor.

January 2012						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
15	16	17	18	19	20	21
		1st Day of Classes Regular Add Regular Drop				
22	23	24	25	26	27	28
End of Add Period	Add Requires Override					
29	30	31	End of Drop and Add with Override			

## FACULTY CORNER

Each month we will be interviewing a professor in the Department of Biology so you can get to know the faculty on a more personal basis. This month, we sat down with Dr. Deborah Garrity.



Dr. Garrity

**How long have you been at CSU and what has been your fondest memory since you started your career here?**

My career at CSU began in 2003 as an Assistant Professor. A major highlight for me has been seeing my graduate students grow into competent, deep thinking, self-directing scientists. I also have many fond memories connected with teaching. It is very rewarding to see students make a breakthrough in understanding a complex topic.

**What courses do you teach and what are your research interests?**

I teach Developmental Biology (BZ311), and co-teach Attributes of Living Systems (LIFE102), Topics in Advanced Genetics (BZ476) and Topics in Development (BZ495). I am a Developmental Biologist. I am interested in how cells work together

in the embryo to create organs or specialized tissues. More specifically, my students and I investigate how the heart forms and what genes are needed for correct patterning and contraction of cardiac cells in the heart tube. We use zebrafish embryos for these studies, since embryos are transparent (allowing us to view and record the beating heart in live embryos). Another major aspect of my research concerns how cells in the very young embryo move to new positions in a process called gastrulation. These movements are so critical that even small deviations result in morphological defects or kill the embryo.

**Do you include undergraduates in your research program, and will you be looking to add any undergraduates to your lab in the near future?**

I generally have a crew of 3 to 5 undergraduates doing research in my lab. Since I got my own start in science as an undergraduate researcher, I really value the chance to provide a similar start for promising students. I typically take new students as freshmen so they have ample time to learn techniques and become gradually more sophisticated in the kinds of work they can do in the lab. My lab is currently full but I expect to add more students in future semesters.

**What is something that students do not know about you?**

I attended CSU for my BS degree, double majoring in biology and biochemistry. Thus, I was once a student in the same classes I now teach! One of the best things about my education at CSU was the chance to work in labs all four years of my undergraduate studies; this was a major factor in my decision to pursue science as a career.

I grew up in Colorado and my three brothers and parents still live here. I enjoyed doing grad work and postdoctoral work in the east, but the chance to

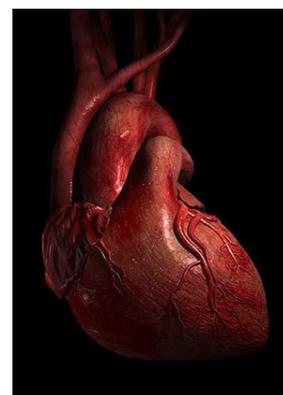
return to Colorado and CSU was really a stroke of luck for me. Some of my favorite hobbies are running, playing classical music on the organ, and singing with the Larimar Chorale. I love hiking and camping.

**Do you have any advice for students in our department?**

I have two thoughts to share.

First, I highly encourage students to pursue study abroad. The chance to experience a different culture over several months is a fantastic opportunity that will be harder to pursue once you start up a career, marriage or family. Study abroad can be an education in itself, a great adventure, the start of some great friendships and something you will remember all your life.

Secondly, while it is great to delve into the upper division biology courses, don't focus all your electives too narrowly. Save one or two for the chance to learn about art, music or something that simply peaks your interest. Education is about being a well-rounded person, and getting set to be a life-long learner.



## STUDENT SUCCESS— AN INTERVIEW WITH JUNIOR BIOLOGY MAJOR, ALICIA ROSE

**HOMETOWN:** Arvada, CO

**MAJOR:** Biology

**HOBBIES:** Reading, playing sports, coaching basketball, and volunteering

### **How did you decide to major in Biology at CSU?**

I knew coming in as a freshman that I wanted to major in biology. I always liked my science classes in middle school and high school, particularly, my biology classes.

### **What department or campus resources have you used to help you be successful?**

I have found the tutoring offered at the Tilt building to be very helpful, especially for Organic Chemistry. These sessions allowed for me to meet in a small group where we could help each other and also get assistance from someone who had taken the class before. The advising department has also been useful in helping me to make sure that I have stayed on track with my credits and courses.

### **What advice would you give students just entering the Biology or Zoology majors?**

Be sure to make a 4 year plan because it really helps to see what classes you're going to be taking. It also makes registering a whole lot easier. A lot of the biology classes require a lab along with the lecture, so be aware how many of those classes you take in the same semester. I have learned from my experience as a Biology major, that it can be overwhelming if you take too many at the same time.

### **What has been your favorite Biology course thus far?**

So far my favorite course has been BMS 300- Principles of Human Physiology because I loved learning about how the different systems in the human body work.

### **What challenges have you faced as a Biology major?**

I tend to spend more focusing on my Biology courses because I find them more interesting than my general education classes. I have to work on my time management so that I can give enough attention to my non-Biology courses as well.

### **What are your plans for the future?**

I plan on going to medical school to become a Pediatrician. This profession combines my love of science and working with children.

**Thank you, Alicia! We wish you the very best in your future!**



## **Science Joke of The Month:**

**Q:** What is the fastest way to determine the sex of a chromosome?

**A:** Pull down its genes.

## **Pets Forever:**

A Volunteer Opportunity to build your resume or graduate school application while also earning college credit, all while helping pet owners with Pets Forever!!!

Pets Forever is a CSU non-profit community program designed to help low income elderly keep their pets by providing a variety of services. The website is: [petsforever.colostate.edu](http://petsforever.colostate.edu) The 5 hours/week we ask of volunteers is flexible around your schedule with the exception of the weekly class period. For this spring we will meet Tuesdays 9-10 and Wednesdays 12-1 in the microbiology building. You need to be able to attend EITHER Tuesday or Wednesday each week. The rest of the hours, when you see clients, is based on your schedule and can be done in the late afternoons/evenings and weekends in addition to during the day. If this sounds like something that might work for you, please contact Lori Kogan ([lori.kogan@colostate.edu](mailto:lori.kogan@colostate.edu)) for more information.

## CLUB INVOLVEMENT OPPORTUNITIES

**Join the Biology Club!** Interested in biology but not sure where your degree will take you? Let the Biology Club help you out! We are a student-run club focused on providing career ideas for students majoring in biological sciences, or who are just interested in learning some cool things about the world around us. We have monthly meetings with speakers from different biological fields, as well as field trips and community service opportunities. Please contact Claire at [willis.c7@q.com](mailto:willis.c7@q.com) with any questions. **We are also looking for some new officers**, so let her know if that sounds like something you'd be interested in! To stay up-to-date with the club's happenings, visit our website at <http://rydberg.biology.colostate.edu/bioclub/>. We hope to see you at our next meeting!



**Join the Zoology Club!** Zoology Club is for those passionate about animals of any major (not just Zoology)! We meet every other week and host guest speakers ranging from zookeepers to professors here at CSU. We also provide an average of 3 trips a semester. Recent trips have included camping at an Emu Ranch, and behind the scenes tours at Cheyenne Mountain Zoo and the Downtown Aquarium in Denver! With summer internships on the way we will also be providing resources for those looking to get involved in research, wildlife, zoos, aquariums, etc! To be part of our mailing list, which will allow you to get updates on meetings and trips please contact us at [csuzoologyclub@gmail.com](mailto:csuzoologyclub@gmail.com). We look forward to seeing you!

**Join the Gillette Entomology Club!** The Gillette Entomology Club (GEC) is a great opportunity to learn more about some of the most common organisms in the world. There are over a million known species of insects and about sixty thousand arachnid species. The GEC is devoted to the challenge of teaching its members and the community. We hold monthly meetings that often feature guest speakers from throughout the profession, and we also organize outreach events. Our mission is partly accomplished through the bug zoo in the Plant Sciences building that houses many local and exotic species of arthropods. GEC is also getting its first bee hives up and running soon. If you have any interest in helping us care for our bugs, understanding more about them, or helping us spread knowledge of them to our community, please consider the GEC. To join the mailing list, please email Kyle Conrad at [krcon@rams.colostate.edu](mailto:krcon@rams.colostate.edu), and also search "GEC" on Facebook to join our group.



## HEALTH PROFESSIONS HAPPENINGS



**To schedule an appointment** with a Health Professions Advisor call the Center for Advising and Student Achievement (CASA) at 970-491-7095. For more information on Health Professions Advising visit <http://hp.casa.colostate.edu/>.

If you are interested in health professions, we encourage you to sign up for the health professions electronic mailing list (at <http://hp.casa.colostate.edu/hpmailinglist.aspx>). Subscribing to this list enables you to receive email messages about Health Professions advising, workshops related to Health Professions and special events sponsored by the various Health Profession student organizations.

The Pre-Dental Club will meet on **Monday, 12/5/11 at 5:30 p.m.** in Engineering E-104. Ryan Bond, DDS, will demonstrate tooth carving, and we'll get a chance to practice. End-of-Semester Party!

The Pre-Optometry Club will meet on **Tuesday, 12/6/11 at 5:30 p.m.** in TILT 105, for an End-of-Semester Party!

The Pre OT Club will hold an end-of-semester banquet on **Tuesday, 12/6/11 at 6:00 PM** at Old Chicago in Old Town. Pizza and soda will be provided by the Club. Take a study break and enjoy this last get together of the semester. RSVP at [otclub@rams.colostate.edu](mailto:otclub@rams.colostate.edu)

Premedica will meet on **Wednesday, 12/7/11 at 6:30 PM** in Clark A102. The guest will be Dr. Jason Barnhart, Psychiatrist

The Pre PT Club will hold an end-of-semester banquet on **Wednesday, 12/7/11 at 6:00 PM** at Old Chicago in Old Town. Pizza and soda will be provided by the Club. Enjoy a break from studies and get together one last time with your PT Club friends. RSVP at [ptclub@rams.colostate.edu](mailto:ptclub@rams.colostate.edu)

The Pre Pharmacy Club will celebrate the end of the semester with a potluck on **Wednesday, 12/7/11 at 6:00PM** in Clark C250. Come by for a study break and to celebrate a successful semester.

THE DEADLINE FOR THOSE WHO PLAN TO APPLY TO THE CSU MOT OR MSOT PROGRAM FOR FALL 2012 HAS BEEN CHANGED TO JANUARY 17, 2012. GO TO: [http://www.ot.cahs.colostate.edu/programs\\_admission/professional.aspx](http://www.ot.cahs.colostate.edu/programs_admission/professional.aspx) FOR THE MOST CURRENT INFORMATION.

## CAREER CONNECTIONS

### Advising Tip of the Month:

Fill your Spring 2012 schedule with at least twelve credits, even if you are on waiting lists for classes or labs.

This way, if you DON'T get into a course that you've waitlisted for, you will still be a full time student.

Full time status is important as it can impact your financial aid and, sometimes, your car insurance.

**Need help planning your future?** **Judy Brobst**, the Career Center Liaison for the College of Natural Sciences, can assist you with all aspects of your career development! Services offered: Internships & volunteer experiences, resume development, choosing/changing majors, graduate school, on-line assessments, job search skills, etc. **To set up an appointment** contact Judy at [judy.brobst@colostate.edu](mailto:judy.brobst@colostate.edu) or 970-491-1190. **Drop in Career Counseling with Judy Brobst:** Every Wednesday during Fall semester from 10:00 - 12:00 in A/Z E-108. No appointment necessary!



### CAREER CENTER UPDATES:

The Undergraduate Internship Program

<http://www.pasteurfoundation.org/internships.shtml>

As a result of the fame that accompanied Louis Pasteur's discovery of a treatment for rabies in 1886, scientists sought Pasteur for training. Soon thereafter, in June 1887, the Institut Pasteur was established. Following in this tradition, the Pasteur Foundation created a summer internship program for American undergraduates who wish to pursue a scientific career.

Located in the heart of Paris, the Institut Pasteur is one of the world's leading biomedical research organizations. With 130+ laboratories and 2,500 people on campus, it is a vibrant, international community devoted to basic scientific research primarily in the area of infectious disease.

The Pasteur Foundation Summer Internship Program provides U.S. undergraduates with the rare opportunity to conduct summer research at the Institut Pasteur. The foundation's goal is to encourage students in the pursuit of a scientific career and to expose them to an international laboratory experience.

Each year, four laboratories at the Institut Pasteur are chosen to host U.S. undergraduates. For the Summer of 2012, the host labs will be the Herbomel, Olivo-Marin, Spaeth and Trieu-Cuot labs.

Posted In CareerRAM!!

Internships

Job # 83668

Desert Tortoise Field Technicians - Mojave Desert, California and Nevada

Start Early March 2012 - June 2012

GREAT if you are graduating in December and looking for an internship

Job # 83439

Vivaldi Biosciences, Inc - Fort Collins, CO

Need 1 or more years of undergraduate lab experience to apply

Jobs:

Job # 83377

Population Biologist

Lincoln Park Zoo - Chicago, IL

There are more jobs and internships being posted in CareerRAM every day. What are you missing out on? <http://www.career.colostate.edu/Students/JobAndInternshipSearch/CareerRAM.aspx>